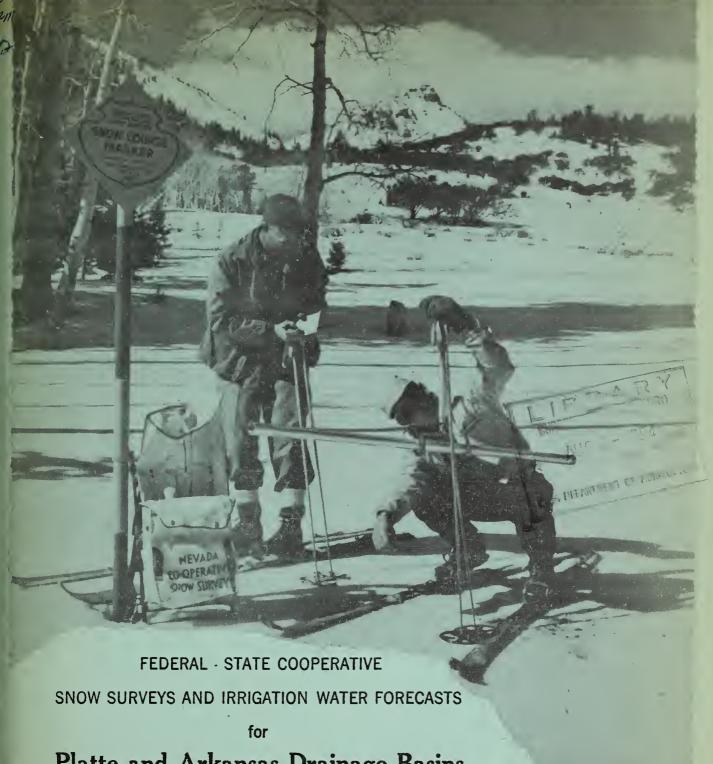
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Do not assume content reflects current scientific knowledge, policies, or practices.





Platte and Arkansas Drainage Basins

Division of Irrigation, Soil Conservation Service United States Department of Agriculture Colorado Agricultural Experiment Station

Data included in this report were obtained by the agencies named above in cooperation with the U.S. Forest Service, National Park Service, State Engineers of Colorado, Wyoming and New Mexico and other Federal, State and local organizations.

As of MAR. 1, 1952



FEDERAL-STATE COOPERATIVE SNOW SURVEYS AND IRRIGATION WATER SUPPLY FORECASTS

FOR

PLATTE-ARKANSAS RIVER BASINS

March 1, 1952

Report Prepared

bу

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General Series Paper No. 513 Colorado Agricultural Experiment Station

WATER SUPPLY OUTLOOK PLATTE-ARKANSAS DRAINAGE BASIN MARCH 1, 1952

Snow accumulation to March I was above normal on this watershed. On the South Platte and its tributaries snow in the high mountain areas ranges from 150 percent of normal on the Poudre to over 190 percent on the South Platte above Denver. On the Arkansas River watershed, over 200 percent of normal snow cover was measured. It is nearly 250 percent in some locations on the southern tributaries. Except for a few courses on the Laramie River side of the Snowy Range in Wyoming the March 1, 1952 snow measurements equal or exceed any previous measurement for this date. Irrigation water supply may be expected to be above normal. Valley soil moisture conditions are reported as good on the South Platte but fair to poor in the North Platte and Arkansas.

CHEYENNE RIVER

Snow cover in the Black Hills of South Dakota is well above normal and much above a year ago on this date. Precipitation in valley areas near the mountains has been deficient for the past few months and soil moisture conditions are reported as fair. Stream flow is below normal. Storage in Belle Fourche reservoir is 88,500 acre-feet as compared to 81,400 on March 1, 1951. Total storage in the new Angostura Reservoir is 112,000 acre-feet.

NORTH PLATTE RIVER

On the mountains southwest of Lander on the Sweetwater drainage the snow accumulation to date is 130 percent of normal. On the North Platte drainage the courses along the Continental Divide are at a record high for March 1. Somewhat less snow in respect to normal has occurred along the Snowy Range divide between the Platte and Laramie Rivers. The overall average of snow on the North Platte watershed is 150 percent of normal. Soil moisture conditions are reported as good in the upper valley in Colorado and Wyoming and in western Nebraska and fair to poor in eastern Wyoming. Adequate irrigation water is assured below the major reservoirs in Wyoming because of heavy stream flow the past three years. As of this date it would appear that these reservoirs will fill during this year. Total storage in these reservoirs is now 1,629,000 acre-feet as compared to 1,659,000 on March 1, 1951.

On the Laramie River the snow cover is slightly less than for the North Platte but is high at 140 percent of normal as of March 1. In the Laramie peaks area snow is reported as relatively light. Soil moisture conditions in the Wheatland area are described as fair. Storage in Wheatland Reservoirs is now 54,000 acrefeet as compared to 39,000 on March 1, 1951.



SOUTH PLATTE RIVER

The irrigation water supply outlook for the South Platte and its tributaries is well above average for this date. In respect to average the snow cover for the tributaries is 150 percent for the Poudre; 150 percent for the Thompson; 170 percent for the St. Vrain and Boulder Creek; 190 percent for Clear Creek and for the South Platte above Denver. There is very little snow in the foothills or valley areas as of March 1. Precipitation over the winter months has been well above normal and soil moisture conditions in irrigated areas are generally good. Soil moisture conditions on mountain watersheds in the fall of 1951 were improved over 1950 so the snowmelt season runoff should at least equal that of 1951. If snow fall during the remainder of the season is normal or higher. The snow melt season runoff should exceed last year on most South Platte tributaries. Storage in irrigation reservoirs is well above last year and generally above the past ten-year average. Stream flow is about normal on the tributaries near the mountains and well above normal on the lower South Platte.

ARKANSAS RIVER

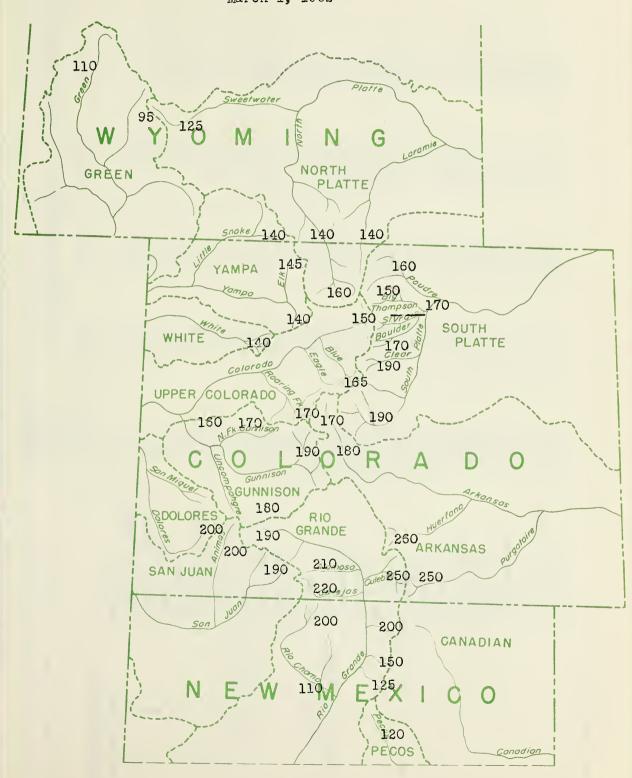
Snow accumulation to date on the main stem on the Arkansas River and its southern tributaries is extremely high. All courses have a record snow cover for March 1 and many measurements will equal or exceed any previous measurement even at the end of the snow accumulation season. Snow melt season runoff will be well above average. However, snow on the ground is very limited east of the Sangre de Cristo range and on the front range on the headwaters of Fountain Creek. Soil moisture conditions are described as very dry at valley elevations below Pueblo. Irrigation water storage is generally below normal except for Two Buttes and reservoirs above Salida.

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WATER CONTENT OF SNOW ON THE WATERSHEDS OF
PLATTE, ARKANSAS, UPPER COLORADO AND RIO GRANDE BASINS
BASED ON SNOW SURVEYS MADE APPROXIMATELY FIRST DAY OF MONTH

In Percent of Normal March 1, 1952

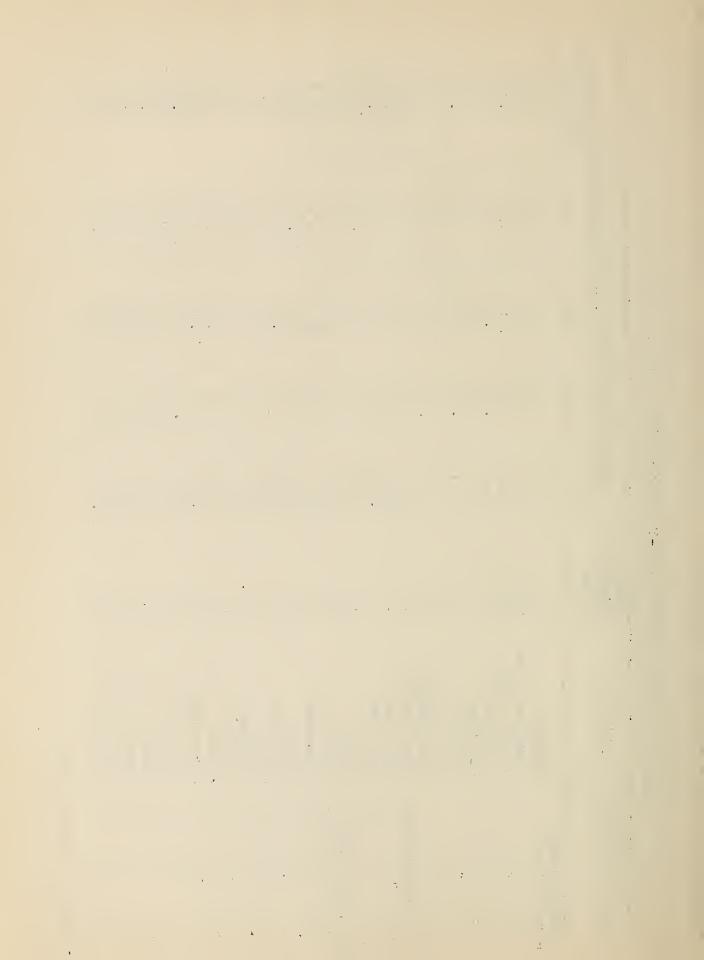


1010 100 one of

STATUS OF RESERVOIR STORAGE PLATTE-ARKANSAS BASIN, March 1, 1952

March 1	10-year &vg.* 1942-1951	9.6	6,5	6.8	7*5	1.1	2.0	ໝຸ.	w.	4.5	20•3	5,2	1.8	7.2	81,1	200	14.5	22.3	12.1	L.,	T•2	17.8	10 . 8	47.1	29.8	30.9	23.5	55.4	20.2	
About	1949	3.6	2.8	4.3	2.7	1.3	1.3	3.9	2.2	7.	20.5	3.3	6.0	6.1	81.9	78.6	13.4	26.2	12.2	1014	0.7	19.8	12.4	34.4	32.2	23.7	21.2	29.9	19.8	
FEET IN STORAGE	1950	11.7	7.6	7.3	7.5	0.0	2.0	11.3	۲۷.	2.6	26.4	5,4	1.7	0.6	81.0	64,2	12,2	25.2	15.7	8	1,5	21.0	12.0	57.9	32.8	33.8	30.0	69.8	20.1	
ACRE	1951	5.9	2,6	₹°9	4.1	000	1.7	2,0	0.7	3.2	16,0	7.2	0.2	3.4	72.0	25.7	9.1	14.5	5.2	6.9	1.4	19.8	6.7	13.5	29.8	32.9	17.8	9*91	20.1	
THOUSANDS	1952	13,3	8.7	11.0	14.2	1,2	2,1	7.0	3.7	9,3	22.6	ω. 	4.9	11.9	81.9	31.2	13.7	23.3	16.7	12.7	1.3 	9.0	12.4	56.8	31.5	32.7	28.6	₽ • 89	19.5	
USABLE	(Thous.	18,6	2.6	11.6	8.2	6.4	8,8	34,3	8,0	14,3	0.44	9.2	5.4	12.7	81.9	79.0	18.9	32,2	24.4	18.5	10.3	33.0	50°6	57.5	37.7	35.4	32.8	70.0	28.2	
RESERVOTR		Windsor	Cache La Poudre	Fossil Creek	Ä	Halligan	Chamber's Lake	Copp Take	Black Hollow	Lake Loveland	Boyd Lake	Lone Tree	Mariano	Union	Eleven Mile	Cheeseman	Marston	Barr Lake	Milton	Standley	Warshall	Antero	Horse Creek	Riverside	Empire	Jacks on Lake	Prewitt	Point of Rocks	Jule sburg	
BASTN AND STREAM		MISSOURI RIVER	1 4	44 44	B E	5	=		*	Big Thompson River	= (=			St. Vrain River	South Platte River	=======================================		=======================================		=======================================	#	2 2	=======================================		55 56	# #	11 11	11	=	

*Some for shorter periods



		USABLE	THOUSANDS	INDS ACRE FEET	ET IN STORAGE	E About March	arch 1
BASIN AND STREAM	RESERVOIR	CAPACITY					10-year Avg.*
		(Thous.A.F.)	1952	1951	1950	1949	H
North Platte River	Kingsley	2180.0		1823.0	1738.0	1629.8	1504.5
r	Minatare	8.09	31.5	29.0	24.9	18.2	22.2
	Alcova	190.0	158.7	169.9	154.9	129.5	85.2
12 11 11	Seminoe	1025.0	644.8	562.9	0.409	547.7	383.4
2 2	Guernsey	0.917	32.1	36.8	47.2	19.6	38.5
	Pathfinder	1045.5	794-2	889.6	846.1	1,59.8	156.7
= = =	Sutherland			0*917	55.3	7.17	148.7
Laramie River	Wheatland	70.4	53.9	39.4	15.8	32.8	36.2
ARKANSAS RIVER							
Arkansas River	Twin Lakes	57.9	22.2	11.0	22.9	22.9	28.1
£	Sugar Loaf	17.4		5,1	6.5	7.6	9.1
=	Clear Creek	11.4	1.6	9.0	6.8	7.4	6.5
£	Meredith	h.9	0.0	0°0	6.2	21.8	24.9
	Horse Creek	56.9	0.0	0.0	7.0	15.6	12,4
=======================================	Adobe Creek	9*19	8.0	0.0	29.5	30.2	37.5
=	Cucharas	0.01	0.1	2.2	۲•٦	8.6	8,2
r	Two Buttes	6*017	ı	33.0	21.8	10.0	9.6
	John Martin	655.0	7-79	79.1	155.3	138.0	71.7
=	Great Plains	150.0	23.0	16.3	72.0	1001	75.8
Purgatoire River	Model	15.0	0.7	9.0	0.9	1.6	8°°°°
CHEYENNE RIVER							
Cheyenne River	Belle Fourche	198,1	88.5	81,4	8.69	122.5	120.3
	Angostura	160.0	112.0	28.5	1	1	1
COLORADO-BIG THOMPSON	N						
Blue River	Green Mt.	146.9	101.5	75.9	1001	57.2	9*69
Colorado River	Granby	1,67.5	277.9				
Poudre River	Horsetooth	143.5	71.5				

*Some for shorter periods



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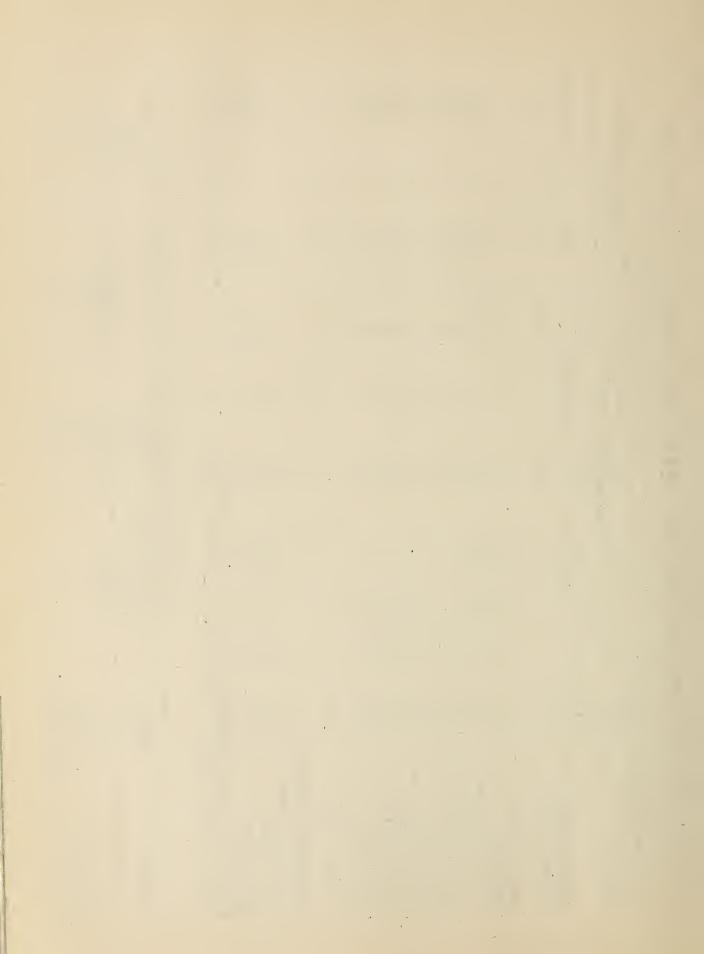
PLATIE-ARKANSAS DRAINAGE BASINS

SUMMARY OF MARCH 1 SNOW SURVEYS AND COMPARISON OF DATA WITH THAT OF PREVIOUS YEARS BY WATERSHEDS

	Snow	,				No. of	Snow	1952 Water Content	Content in
WATERSHEDS	Depth	Snow	Snow Water	Content	Content in Inches	courses	Н	Percent of	. Jo
	1952 Inches	1952	1951	1950	15 yr. Avg. *	in average	1952. Percent	1951	15 vr. avo.
CHEYENNE RIVER Cheyenne River	29.7	8.4	2.3	2.8	5.1	-	28	355	1 0
PLATTE RIVER Sweetwater	9.61	14.3	14.2	17.4	12.5	m	29	101	315
North Platte River	64,1	20.7	14.7		14.1	12	32	다	31/6
Laramie River	8 1 8 0	14.4	13.t		10.1	<i>ن</i> ر	39	107	143
Poudre River	13.0	ر د د د د	20.01	ν, ο, ν C	0 m	Λ _C	₹;	116 217	185 717
Big Thompson River	16.2	15.6	15.1		10.9	- m	77	103	143
St. Vrain River	38.9				8.0	, ~	34	105	168
Boulder Creek	0.U		16.1	7.0	8.6	2	34	98	136
Clear Creek	56.7			8.3	10.1	Μ	33	114	1.82
ARKANSAS RIVER	52.6	16.7	11.3	7.8	9°h	1	32	148	178
COLORADO-BIG THOMPSON		78.0	ر د	201	8 رر	4	C	α F	C Li m
Willow Creek	50,1	14.9	7.2	ر ا بر	7.6) m	بر چ ا	202	7CT 90L
Frazer River	요 오	15.0	13.2	2.6	9.8	, m	3,8	113	1273
Blue River	161.4	20.2	18.6	10.6	12.1	. 7	E	108	167
*Some for shorter periods		**Above D	Denver	***Above	re Granby				

PRECIPITATION DATA*

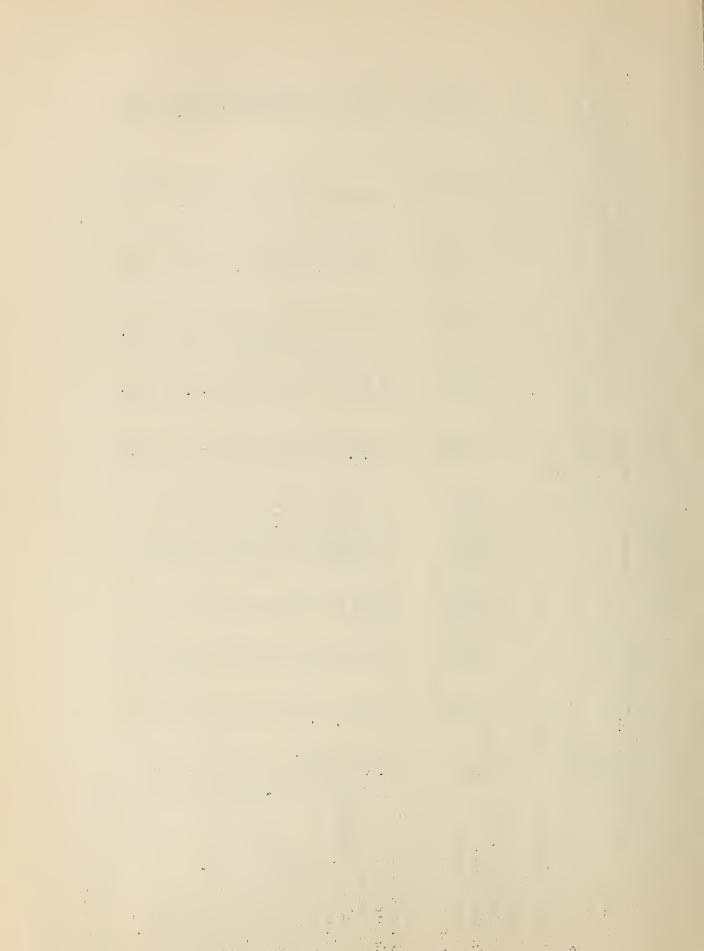
				1	
		Precipitation	Departure	Precipitation	Departure
DATERSHED	STATE	October 1 to	from	1	from
	- 1	February 29	Normal	February	Normal
		Inches	Inches	Inches	Inches
North Platte	Wyoming	5.71	+1.33	0.80	11°0
South Platte	Colorado	4.37	+0. 92	0.31	-0.30
Arkansas	Colorado	7, 66	-0.08	0.80	0.16
*Average selected	*Average selected high elevation stations	tations			



PLATTE-AEKANSAS RIVERS SNOW SURVEYS
March 1, 1952

ments	Past Record	Av.	1	5.1	11.2 10.8 15.4	21 - 12 - 22 - 24 - 25 - 25 - 25 - 25 - 25 - 2
easure	(8)	Yrs.of	TODAY	∞ ∞	3 12	7,2,2,4,4,4,7,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
Snow Cover Measurements	(Inche	1050	17.20	2.8	17.5 17.3 17.3 17.1	15.00
Snow	Content (Inches	1051	1771	2.3	13.5	10,000,000,000,000,000,000,000,000,000,
	Water	1952	7225	8.4	16.6 16.8 9.5 14.3	202123 202126 20
1/75	Snow	Depth (Tropes)	THE TEST	28.7	56.6 54.0 38.2 19.6	105.0 27.4 27.4 27.4 27.4 27.4 27.4 27.4 27.4
9 T T T T	Date	Surrage	out vey	2/27	2/23 2/23 2/26	20/20 20/20
7,77		Elev.		9299	9000 9000 9000	10300 9200 7300 9500 8500 8500 9600 9600 9100 9100 8150 8150 8150
		Range		鬥	100W 90 101W 90 103W 90 r drainage	2 C C C C C C C C C C C C C C C C C C C
tion		Twp		N E	19 30N 13 30N 12 30N 14 30N 15 30N	2 6N 21 5N 21 11N 27 116N 30 116N 31 12N 118 115N 12N 118N 118 115N 12N 12N 12N 12N 12N 12N 12N 12N 12N 12
Location		Sec		ส	19 13 12 Aver	22 22 23 33 34 11 11 11 11 18 18
	No.	and State	aren	1 S.Dak.	29 Wyo. 47 " 57 "	1 Colo 7 " 8 " 136 " 7 " 37 " 38 " 39 " 67 " 68 " 69 " 70 " 71 " 71 " 71 " 71 " 71 " 71 " 71
	Drainage Basin	and	Snow Course	CHEYENNE RIVER Upper Spearfish	SWEETWATER RIVER Grannier Meadows South Pass* Larson Creek	NO. PLATTE RIVER Cameron Pass Park View Columbine Lodge Willow Cr. Pass* Northgate Bottle Creek Webber Spring Old Battle N.French Creek N.Barrett Creek Ryan Park Spring Creek Albany La Bonte Boxelder Pearl

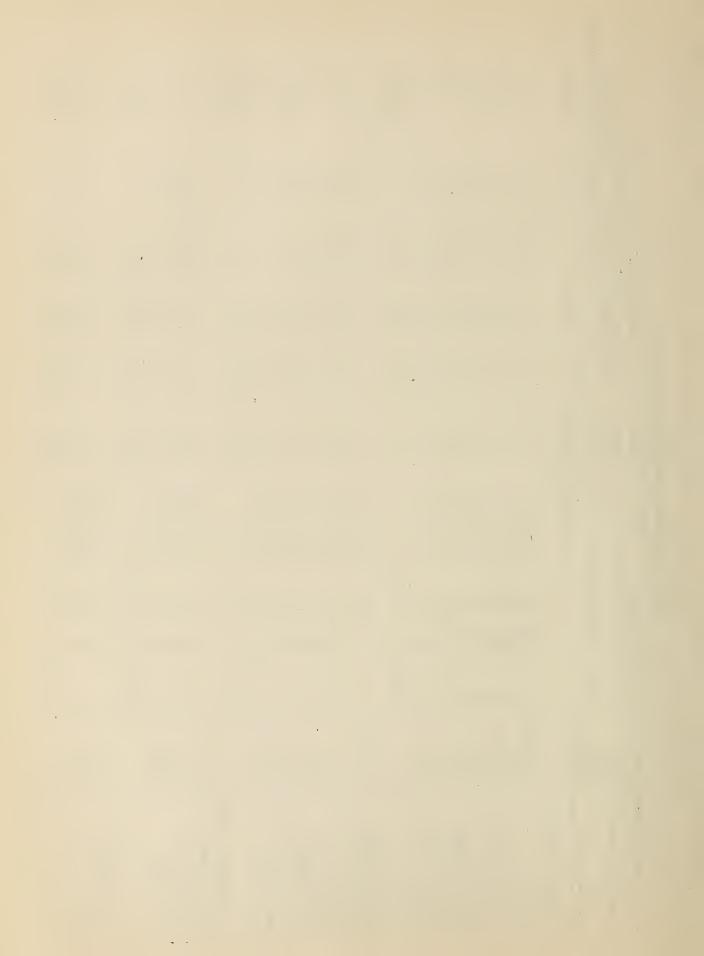
*On adjacent drainage



PIATTE-ARKANSAS RIVERS SNOW SURVEYS March 1, 1952

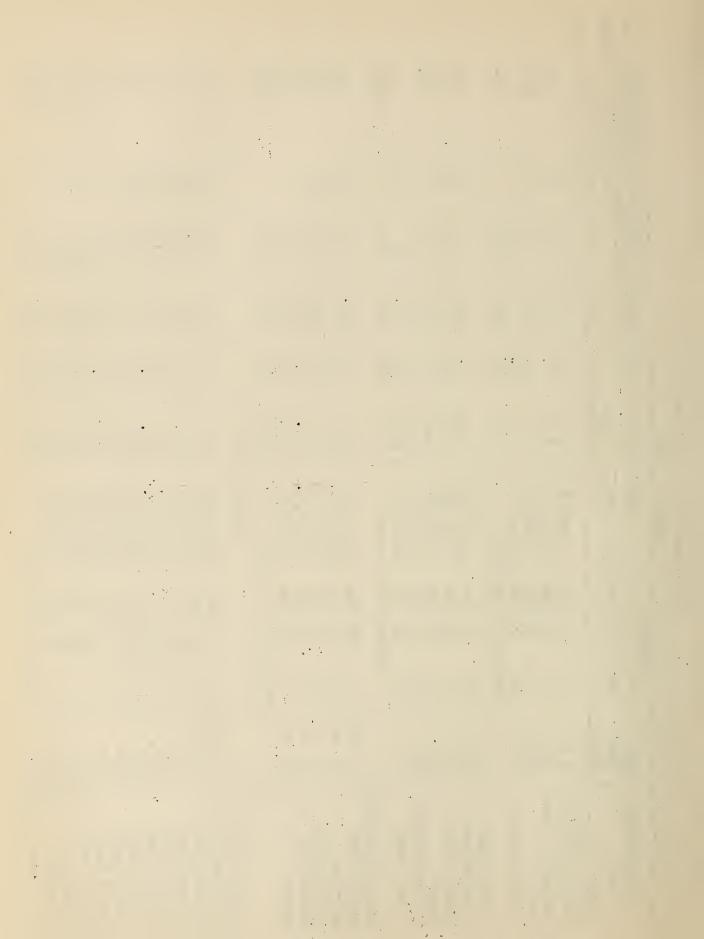
Cover Measurements	Past Record	Av.	Record (Inches)	*	_						14 7.9		3 13.7	10.1		15 15.9							1 12.6	€°6			11 9.0	n.u	1 17.9	10.9	.,	15 10.3		
-	\preceq		1950		\ (13.5	7.9	19.7	3.1	2.3	9.6	10.7	6.6	9.6		15.0	5.4	2.0	11.7	17.0	بر. س•	6.2	1	0.6	i i	0.7	φ. • •	0•17	1	6.6		11.0	3.6	-
. 1	Cont		1951		1	17.3	10.7	26.4	8.0	2.6	13.4	15.2	15.7	13.4		16,4	10.3	3,1	13.2	25.3	8.9	6.8	12,6	12.0	1	25.3	12.6	7.4	17.9	15,1		18.2	7.5	\'.
	hater	1	1952			22.2	13.4	25.6	2.6	6.2	13.0	13.6	15.1	14.1		23.5	9.5	1.8	17.1	26.5	8.4	8.7	13,3	13.6	1	20°2	ц., 6	0.0	14.1	15.6		19.1	7.7	-
	Snow		(Inches)	RIVER		72.4	42.4	79.0	29.5	25.0	146.14	117.9	51.5	118.8		71.6	34.5	9.3	57.7	71.8	27.0	29.1	1,8.8	13.0		77.8	14.5	22.3	148.1	146.2		53.5	2/1.3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Date	cf	Survey	PLATTE	1	3/2	3/1	2/59	3/1	2/25	2/29	2/29	3/4			2/23	3/1	3/1	2/29	2/27	3/2	2/28	3/1		10/0	2/21	2/28	2/58	2/29			5/28	2/28) I .
		Ele v.											9400	age)	10300		8600	10200	10600			8	age			9550			nage)		8600	_
ion		Range				77	76W	788	78W	72W	78W	M62	78m	drainage,	, gan broade	76W	75W		75.W		138 1	7 mm /	~	· drainage		₹ <u></u>	754			drai		7139	7 200	-
L_{∞} ati		Twp.				TON	TON	16N	13N	15N	16N	16N	14N	ge for)	- N9	N/	8N	TON	SN N	ZN	TON	- N8	ge for	1	Z.	N.	- 28	F	ge for)	M.	NE	•
		Sec.				ιν.	35	7	72	35	53	24	18	Average		2	9	33	56	ω	18	Я	32	Average	(∞	8	53	32	Average		24	2	1
	No.	and	State			88 Colo.	" [17	3 Wyo.		34 "	35 #	36 "	# 89 89			1 Colc.	2 #	n E	50 #	65 m	* 89	128 "	156 "		į	65 #	95 #	115 "	148 ㎡			# TH	ש ארר)++
	Drainage Bazin	and	Snow Course		LARAMIE RIVER	Roach	McIntyre	Brooklyn Lake	1	Pole Wtn. #2*	Libby Lodge	Hairbin Turn	Albany	•	POUDRE RIVER	Cameron Pass	Chambers Lake	Big South	Deadman Hill	Lake Irene*	Hour Glass Lake	Red Feather	Lost Lake		N RIVER		ley	Deer Ridge			ST. VRAIN RIVER		Copeland Lake	

*On adjacent drainage



PLATTE ARKANSAS RIVERS SNOW SURVEYS
March 1, 1952

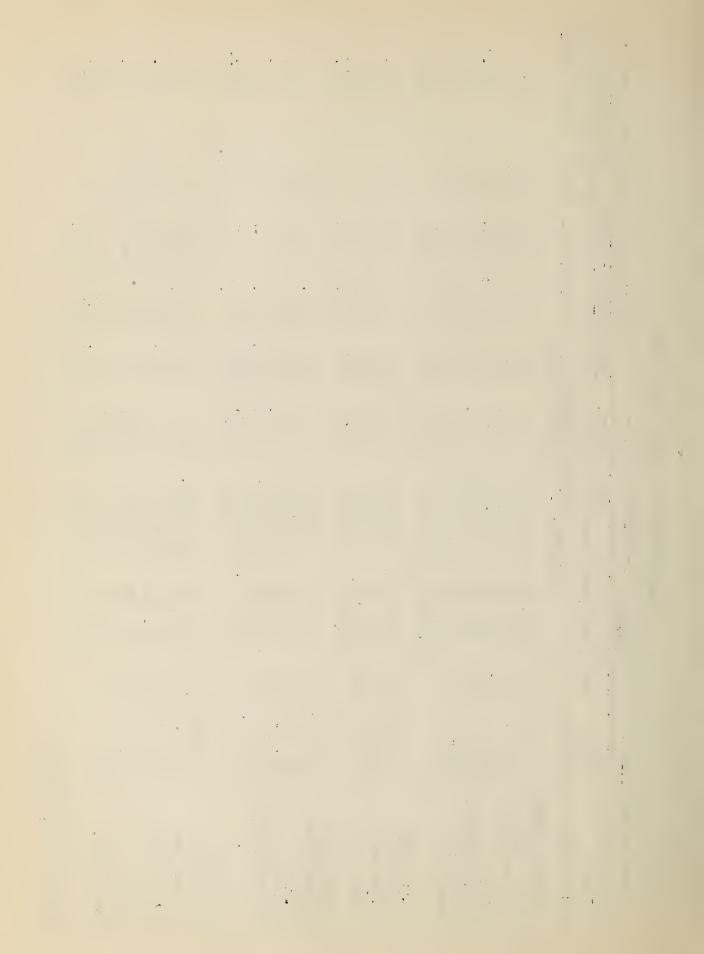
Snow Cover Measurements	Past Record	Av. Water Content	(Inches)	9,	10.8		8.6	-	10.4	10	•	1	10.1		8.6	6.0	0.1	7.7	9			r	3 6	6.6	8	, r	0.7		12.5	13.5	10.1	17.1	4.6
over Me	~	Yrs. of	record	77:	77	1		<u>ر</u> د	J :	۲ ۲	` ⊦⊣	*			7	17	പ് പ്	., u	١			7.	9 ~	14	14	3 =	1=	13	16	10	m	m	
Snow ((Inches	3000	1320	у. С.	0 ° ° °	1	2.0	0	, c	7	•	1	8,3		7.1	0.1	۳. د د د	بر بر د	3.5	`		ı	, «	, c,		20.0	0	, , ,	11.6	11.1	10.2	13.4	7.8
	Content	ال ال	1721	6.0	20°51	1	16.1	1	- o	6	13.4	1	16.2		14.1	1,8	11.9		7.3	-			17°0	3.5	0) -	1 ~	, c	19.8	16.5	9.1	20.0	11.3
	Water	2070	7327	2,6	14.5	16.5	13.8		21°0	100	16.6	20.6	18.9		15.5	2,3	11.	6.0	2 C	}		6	13.1	17.2	2 7 7	1 L 2 C 1 L	ימר	9.9	19.6	2)1.7	17.2	25.0	16.7
-	Snow	Depth	(Tucues)	18.9	37.7	51.3	17.0	7 ()	95.0	3	73°7	66.7	56.7		50.2	11.3	13.6	22.5	29.5		HI VEH		ر م م ر	ν. Σα	ν • • • • • • • • • • • • • • • • • • •	37.6	α α	200	61.1	70.9	52.0	81.9	52.6
7 67 17	Date	of	Survey	3/2	3/2	2/29		4	2,5 2,5 2,5	3/2/5	2/26	3/3			2/29	2/29	2/29	2/28	67 63		ARKANSAS F	740	2/20	25		2/07		2/27			2/27	2/28	
Marc		Elev.		9400	9,00		drainage		10000	0650	10500	11200	drainage		11100	10000	00101	9750	3	7921	1			10000	0000	10300	0000	9,700	00/11	10500	10600	11100	nage
		Range		7LW	N.E.	1.A.			Mo)	5 15	· · · · · · · · · · · · · · · · · · ·	76W	for d		784	T7W	76W	17.00	//////////////////////////////////////				3 CM	O C FF	2 6	100		8 E	36	£ 5	80W	WI8	r drainage
Location		Twp.		2S	Z X	IN	Average for		35	ر ا ا	3 2 2 3	्रञ्	Average)	8S	98	S	8	Average for			ć	SS F	1 & E	Lan -			807	88	No	158	88	age for
	_	Sec		2,	50	26	Ave		27	7 6	142	27				33	7	78	AVET	4				27.	7 6	ř.	ć	220	30	17	3 %	(∞	Average
	No	and	State	5 Colo.	# 09 133	162 "		:	# 19 22	" /K	137 =	159 "		ρź	14 6010.		83 #	-" 811	1750				19 0010	: \$ TC:(1.2	: :	71. 11	: = : : = :	20 2	\$ CO	119 11	121 "	13 %
	Desinage Basin	and	Snow Course	BOULDER CREEK E.Port. Woffat T.	University Camp	Boulder Falls		CLEAR CREEK	Loveland Pass	Grizzly Feak*	Renthand Falls	Clear Creek		SOUTH PLATTE RIVER	Hoosier Pass	Fairplay	Jefferson Cr.	Geneva Park	Entero			ARKANSAS RIVER	Tennessee Pass	Minchell Dans	Densky Cass	Whicker Creek	To Wet Decen	La Veta 1 assay	Fremont Pass	Monarch Page	St. Elmo	Timberline	*On adjacent drainage



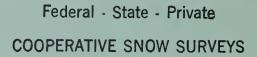
PLATTE-ARKANSAS RIVERS SNOW SURVEYS
March 1, 1952

			Location	ion	March 19	11 19 17	776		Snow Cov	er Measi	Cover Measurements	
Drainage Basin	No		-			Date	Snow	Water		(Inches	Pa	Past Record
and	and	Sec.	Twp.	Range	Elev.	of	•				Trs. of	Av. Water Con-
Snow Course	State					(1) 1	(Inche	1952	1951	1950	Record	tent (Inches)
				COL	COLORADO -	BIG TH	THOMPSON P	PROJECT				
COLORADO RIVER**												
Cameron Pass*	1 Colo.	2	S S	76W		2/23	71.6	23.6	16.4	15.0	兄	15.9
Phantom Valley	12 #	2	5N	13日	9300	2/29	50•3	14.8	12,7	6.7	16	8.6
Lulu	59	52	- N9	709		2/27	54.4	18.0	18.5	11.9	77	13.7
N. Inlet Grand L.	<u>"</u> 179	56	至	75W	0006	2/28	42.5	12.8	7.6	5.7	77	7.4
Lake Irene	65 #	ထ	SN	75W		2/27	71.8	26.5	25.3	17.0	17	17.2
Grand Lake	127 "	36	N-	75W	8600	2/29	146.7	13.0	8 8	25.0	m	0.0
WITTON WOLLT			Averag	lot as	nramage '	ນ	20°T	70.0	7°CT	70.7		0.11
Trival onem		7	ζ	7 Or	0	- 00/0		ر - -	,	0	ŗ	ì
Park view*	oToO /	77	ν. Σ ;	50	9200	62/2	4/•7	7 th 7	ۍ د	0 0	약 -	\\\\\\\\\\.
WILLOW Creek	. 70		 §	Mo.	2500	67/7	T•/0	70° T	۲۰,	14.3	7 7	7.6
Granby	" 211	7	2N Avera	77W	8700° drain	2/27 age	35.2	10.1	5.0	2 T	m	2.6
FRAZER RIVER))		•		•		
Berthoud Pass	15 Colo.	35	5S	75W	9700	2/28	57.2	17.2	15,5	7.3	16	12,2
Arrow	1 69		SI	75W	0066	2/28	42.8	12.0	10.2	5.2	큐	7.8
Lapland	# OZ		28	76W	9500	2/29	50.1	15.9	14.0	10.4	12	7.6
Berthoud Summit-	138 "	10	38	75W	11330	2/26	67.4	21.3	14.8	ļ	Н	14.8
Frazer View	139 #	34	- 5 2	五五	106001	2/26	51,0	14.4	13,1	*	Н	13.1
			Avera	ge for	· drainage	age	50.0	15.0	13.2	7.6	%	9.6
BLUE RIVER												
Hoosier Pass	010	13		789	00711	2/29	50.2	15.5	14,1	7.1	15	8.6
Fremont Pass	4 62	2		794	11,000	2/28	61.4	19.6	19.8	11.6	16	12.5
Shrine Pass	# 96	H		797	10500	2/28	62.5	19.6	18.7	11,3	9	13,3
Grizzly Peak	# 26	2	52	76W	11250	3/3	72.2	25.9	21.9	12.5	2	14,1
Frisco	176 "	18		78W	9300	2/28	36.0	10.2	11.4	200	H	11.4
Snake River	147 "	6			9700	3/3	76.0	11.4	13.9	1	Н	13.9
Summit Ranch	158 "	ω	₹	784	10000	3/3	0.61	14.6	11.3		Н	11.3
	-	-	Avera	ge for	Average for drainage	ge	61°4	20.2	18.6	10.6		12,1

*On adjacent drainage







Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"